

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

Friday, October 12, 2012 12:45:15 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Seismic	610	Isomax	H2 DISTRIBUTION	2010		T-901/902/903	Anchor bolt nuts are too high. Pic 1.	Run nuts down.	NUTS TIGHTENED, PER EVAN OWEN. WORK COMPLETE.	5/10/2011	Carrillo, Albert	Completed
Seismic	611	Isomax	H2 DISTRIBUTION	2010		E-921	Anchor bolt washer at south end is too small. Pic 2.	Install 1/4" thick steel plate washer to overlap hole edges 1/4" min.	Washers installed. Field verified by EVOW.	5/10/2011	Carrillo, Albert	Completed
Seismic	612	Isomax	H2 DISTRIBUTION	2010		V-911	Incomplete nut thread engagement of anchor rods, 2 places. Pic 3.	Evaluate uplift load on anchor rod to determine if retrofit is required.	Evaluated by Evan Owen & Al Greene, no work required per 8/23/2010 email. Evan dropped Al's evaluation into the electronic drop file.	5/10/2011	Waldrop, Jason S.	Completed
Seismic	613	Isomax	H2 DISTRIBUTION	2010		FC-9110	Inadequate support. Pic 4.	Evaluate piping & V-911 shell for seismic & gravity loads, and adjust existing or install new pipe supports.	<p>This repair is currently on TSS job log / JobID#RIC18397 / Working civil evaluation and design on maximo WCH308150</p> <p>5/10/11 Update- FC9110 piping support work is currently on hold pending the City of Richmond design change approval and inspection of the rebar for the support block. Temporary line support is in place..Chevron is working with the city to expedite the inspection. Once the city has signed off on the inspection work be completed immediately / 6/28/11 - Concrete support work is complete and we are waiting for the supports to be fabricated by a outside shop. Fab work is scheduled to be complete the week of 6/27/11 and installation shortly after.</p> <p>Status 7/7/2011 Mark Crow (MXEW) Reassigned from John McGowan to Jason Waldrop.</p> <p>Status 7/7/11 Jason Waldrop (SWAL) - FC9110 support work was completed on 7/6/11, and Jason Waldrop has field verified</p>	5/10/2011	Waldrop, Jason S.	Completed

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Seismic	614	Isomax	H2 DISTRIBUTION	2010		E-903A/B, E-905A/B	No limit stops to prevent sliding in longitudinal direction. Pic 5.	Design and install limit stops to prevent displacement during an earthquake.	This repair is curently on TSS job log / JobID#RIC18397 / Working civil evaluation and design on maximo WO#308150 / Work complete on WO315486 & WO315517	5/10/2011	McGowan, John L.	Completed